

# Crusher's ceramic component



## chemical composition and physical properties

	A-99	Z-99
Density (g/cm <sup>3</sup> )	3.91	6.0
Hardness (MOhs)	9	9
Moisture content (%)	<0.1	<0.1
Folding strength (Mpa)	300	1150
Compressive strength (Mpa)	3500	3000
Thermal conductivity (W/m.k)	27	2.5
Wearing loss (%)	≤0.1	≤0.05
Expansion coefficient (10 <sup>-6</sup> K <sup>-1</sup> )	7	9.5
Linear speed (m/s)	65	68

## Main purpose

It is mainly used for super-fine crushing (submicron level) of high-end materials: such as electronic materials, tricolor fluorescent powder, anode and cathode materials of lithium battery, LED luminescent material, high-level polishing material, medical raw materials and other different kinds of high-tech and highly-pure oxidizing materials.

## Performance

1. Big hardness, the ROHS hardness is HRA80-90, just inferior diamond, the wearable ability is much better than the wearable steel and stainless steel.
2. Wearable ability is excellent. Equal to 266 times of manganese steel, 171.5 times of high chrome cast-iron. Under the same working condition, can extend the equipment working life at least above 10 times.
3. Light weight, can alleviate the equipment burthen greatly.
4. It will not pollute powder.

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### 主要用途

主要用于超微粉体(亚微米级别)的高端材料粉碎:如电子材料,三基色荧光粉末,阳极和阴极材料的锂电池粉 LED发光材料、高级抛光材料,医药原料和其他各种各样的高科技和高纯材料等。

### 产品性能

1. 产品硬度大, 其洛氏硬度为HRA80-90,硬度仅次于金刚石, 远远超过耐磨钢和不锈钢的耐磨性能。
2. 耐磨性能极好,其耐磨性能相当于锰钢的266倍, 高铬铁的171.5倍。在同等工况下, 可至少延长设备使用寿命十倍以上。
3. 重量轻, 可大大减轻设备负荷。
4. 不污染粉体。